

GeDiPNet Cluster 163 -- Enriched GO Terms (Biological Process)

GO term enrichment: Biological Process terms (gene2go, human/tax_id=9606 only), upper-tail hypergeometric test, fold enrichment = (overlap / cluster gene count) / (term gene count / universe size), Benjamini-Hochberg FDR-corrected. Top 15 terms per cluster by q-value. See scripts/build_cluster_go_enrichment.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-07 03:23:06. · Rows: 15 · Generated: 2026-10-07 12:03:11

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
vasodilation	GO:0042311	4	SOD2, VEGFA, TNF, ACE	50	14	106.78	4.450e-8	6.140e-6
response to isolation stress	GO:0035900	2	SOD2, TNF	4	14	667.39	3.125e-6	2.061e-4
response to hypoxia	GO:0001666	4	EPO, SOD2, VEGFA, TNF	176	14	30.34	7.071e-6	3.963e-4
negative regulation of fat cell differentiation	GO:0045599	3	SOD2, VEGFA, TNF	57	14	70.25	9.563e-6	5.042e-4
response to salt stress	GO:0009651	2	EPO, TNF	9	14	296.62	1.871e-5	8.501e-4
positive regulation of DNA biosynthetic process	GO:2000573	2	VEGFA, TNF	12	14	222.46	3.425e-5	1.353e-3
response to hyperoxia	GO:0055093	2	EPO, SOD2	14	14	190.68	4.719e-5	1.720e-3
response to electrical stimulus	GO:0051602	2	EPO, SOD2	24	14	111.23	1.425e-4	3.939e-3
negative regulation of miRNA transcription	GO:1902894	2	VEGFA, TNF	27	14	98.87	1.810e-4	4.713e-3
positive regulation of osteoclast differentiation	GO:0045672	2	IL17A, TNF	28	14	95.34	1.948e-4	4.958e-3
response to lipopolysaccharide	GO:0032496	3	EPO, SOD2, TNF	161	14	24.87	2.131e-4	5.274e-3
blood vessel diameter maintenance	GO:0097746	2	ADRB2, ACE	37	14	72.15	3.420e-4	7.344e-3
acute-phase response	GO:0006953	2	EPO, IL1RN	37	14	72.15	3.420e-4	7.344e-3
response to axon injury	GO:0048678	2	EPO, SOD2	37	14	72.15	3.420e-4	7.344e-3
positive regulation of cytokine production involved in inflammatory response	GO:1900017	2	IL17A, TNF	37	14	72.15	3.420e-4	7.344e-3